



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D3278-2

Job Sheet 201657



Part No: D3278-2

Job Qty: 80 pcs

Part Name: Support



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 10/8/19

Job Tracking No:

Due Date: 12/10/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV C IPP: A 04.04.19 New issue KJ/JLM IPP B 07.09.06 Rev C dwg EC Verified by: JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Bandsaw - 1	80 pcs		12/10/19	0.00	4.00	Bandsaw - 1		BM 19-10-23
102	Outsource - 5 - Machining	80 pcs		12/10/19			MEM001-VC		PL 11/11/2019
104	Packaging 2-1 - Receive - B4B	80 pcs		12/10/19	0.00	0.00	Packaging 2 - 1 - B4B		NOV 11 2019
106	QC 6	80 pcs		12/10/19	0.00	0.00	QC 6 - 16	DAS 81 9-89	NOV 13 2019
110	HAAS 5 Axis - B4B	80 pcs		12/10/19	0.06	34.33	HAAS - 5 - B4B		
130	QC 8	80 pcs		12/10/19	0.00	0.00	QC 8 - 12		
							QC 8 - 14		
							QC 8 - 17		
							QC 8 - 20		
							QC 8 - 25		
							QC 8 - 3		
							QC 8 - 32		
							QC 8 - 33		
							QC 8 - 35		
							QC 8 - 39		
							QC 8 - 4		
							QC 8 - 44		
							QC 8 - 45		
							QC 8 - 49		
							QC 8 - 58		
							QC 8 - 8		
							QC 8 - 9		
							QC 8 - 68		
							QC 8 - 67		
							QC 8 - 1 (A)		
							QC 8 - 47		
							QC 8 - 40		

Plex 10/23/19 8:42 AM Dart.lajeunesse.marie

Plex 10/23/19 8:42 AM Dart.lajeunesse.marie

						QC 3 - 36	
						QC 3 - 41	
						QC 3 - 51	
						QC 3 - 58	
						QC 3 - 59	
						QC 3 - 68	
						QC 3 - 9	
						QC 3 - 40	
						QC 3 - 19	
						QC 3 - 43	
						QC 3 - 24	
						QC 3 - 61	
						QC 3 - 81	
170	Packaging 3-1 - Stock - B4B	80 ✓	12/10/19	0.00	0.00	Packaging 3 - 1 - B4B	
		pcs				Packaging 3 - 2 - B4B	
						Packaging 3 - 3 - B4B ✓	
						Packaging 3 - 4 - B4B	
						Packaging 3 - 5 - B4B	
						Packaging 3 - 6 - B4B	
						Packaging 3 - 7 - B4B	
						Packaging 3 - 8 - B4B	
						Packaging 3 - 9 - B4B	
						Packaging 3 - 10 - B4B	
						Packaging 3 - 11 - B4B	
						Packaging 3 - 12 - B4B	
						Packaging 3 - 13 - B4B	
						Packaging 3 - 14 - B4B	
						Packaging 3 - 15 - B4B	
						Packaging 3 - 16 - B4B	
						Packaging 3 - 17 - B4B	
						Packaging 3 - 18 - B4B	
						Packaging 3 - 19 - B4B	
						Packaging 3 - 20 - B4B	
						Packaging 3 - 21 - B4B	
						Packaging 3 - 22 - B4B	
						Packaging 3 - 23 - B4B	
						Packaging 3 - 24 - B4B	
						Packaging 3 - 25 - B4B	
						Packaging 3 - 26 - B4B	
						Packaging 3 - 27 - B4B	
						Packaging 3 - 28 - B4B	
						Packaging 3 - 29 - B4B	
						Packaging 3 - 30 -	

DAS
40
NOV 20 2019

Oscar

NOV 21 2019

GALLIY

				B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
180 QC 21 - SA	80 ✓ pcs	12/10/19	0.00 0.00	QC 21 - SA - 21 ✓	GA 117
				QC 21 - SA - 70	
				QC 21 - SA - 53	

Part Op 100 - (Bandsaw) Cut blank: 2.00" x 1.00" x 2.550" long
 Descriptions: 104 - (Receive & Inspect for Damage & Mat'l Certs)
 106 - QC6- All purchased or subcontracted products
 110 - (HAAS CNC vertical machine #5)
 130 - (QC8- Inspect parts - second check)
 140 - (Chemical Conversion Coat per QSI005 4.1)
 150 - (White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum) START TIME: _____
 160 - (QC3- Inspect Part Finish)
 170 - (Identify as per dwg & Stock Location: _____) LOCATION : GA
 180 - (QC21- Final Inspection - Work Order Release)

NOV 21 2019
 21
 2-09

PCMB044863 x 80 Lbs 23 Oct 2017

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6B1.000X02.000	6061-T6 Bar 1.00 X 2.00	17.3600 ft (.217 ea)	100-Bandsaw - 1	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Bandsaw - 1	M6061T6B1.000X02.000	17	62	0

Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Support	0.098inches + 0.005 - 0.000	0.103 0.098		
2	Support	0.359inches ± 0.005	0.364 0.354		
3	Support	0.609inches ± 0.010	0.619 0.599		
4	Support	0.250inches ± 0.010	0.260 0.240		
5	Support	1.480inches ± 0.005	1.485 1.475		
6	Support	0.125inches ± 0.010	0.135 0.115		
7	Support	0.119inches + 0.005 - 0.004	0.124 0.115		
8	Support	2.439inches ± 0.010	2.449 2.429		
9	Support	1.980inches ± 0.010	1.990 1.970		
10	Support	0.130inches ± 0.030	0.160 0.100		
11	Support	0.257inches + 0.005 - 0.000	0.262 0.257		
12	Support	0.375inches ± 0.010	0.385 0.365		
13	Support	0.875inches ± 0.010	0.885 0.865		
14	Support	0.500inches ± 0.010	0.510 0.490		
15	Support	0.400inches ± 0.010	0.410 0.390		
16	Support	1.000inches ± 0.030	1.030 0.970		
17	Support	1.720inches ± 0.010	1.730 1.710		
18	Support	0.125inches ± 0.010	0.135 0.115		
19	Support	0.125inches ± 0.010	0.135 0.115		

Plex 10/23/19 8:42 AM Dart.lajeunesse.marie

B4B	pcs					B4B	
						Handfinish - 1 - 2 - B4B	
						Handfinish - 1 - 3 - B4B	
						Handfinish - 1 - 4 - B4B	
						Handfinish - 1 - 5 - B4B	
						Handfinish - 1 - 6 - B4B	
						Handfinish - 1 - 7 - B4B	
						Handfinish - 1 - 8 - B4B	
						Handfinish - 1 - 9 - B4B	
						Handfinish - 1 - 10 - B4B	
						Handfinish - 1 - 11 - B4B	
						Handfinish - 1 - 12 - B4B	
						Handfinish - 1 - 13 - B4B	
						Handfinish - 1 - 14 - B4B	
						Handfinish - 1 - 15 - B4B	
						Handfinish - 1 - 16 - B4B	
						Handfinish - 1 - 17 - B4B	
						Handfinish - 1 - 18 - B4B	
						Handfinish - 1 - 19 - B4B	
						Handfinish - 1 - 20 - B4B	
						Handfinish - 1 - 21 - B4B	
						Handfinish - 1 - 22 - B4B	
150 Powdercoat - 1 White GI(A)- B4B	80 pcs	12/10/19	0.00	1.64		Powdercoat - 1 - B4B	
						Powdercoat - 2 - B4B	
						Powdercoat - 3 - B4B	
						Powdercoat - 4 - B4B	
160 QC 3	80 pcs	12/10/19	0.00	0.00		QC 3 - 10	
						QC 3 - 13	
						QC 3 - 15	
						QC 3 - 17	
						QC 3 - 18	
						QC 3 - 2	
						QC 3 - 28	
						QC 3 - 3	
						QC 3 - 30	
						QC 3 - 34	
						QC 3 - 36	
						QC 3 - 41	
						QC 3 - 51	
						QC 3 - 58	
						QC 3 - 59	
						QC 3 - 68	

10/8/2019

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

170 Packaging 3-1 - Stock - B4B	80 pcs	12/10/19	0.00	0.00	QC 3 - 9	
					QC 3 - 40	
					QC 3 - 19	
					QC 3 - 43	
					QC 3 - 24	
					QC 3 - 61	
					QC 3 - 81	
					Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 -	

Plex 10/8/19 10:14 AM Dart.lajeunesse.marie

10/8/2019

[Dart Hawkesbury] Job Sheet - Lajeunesse, Marie

				B4B		
				Packaging 3 - 34 - B4B		
				Packaging 3 - 35 - B4B		
				Packaging 3 - 36 - B4B		
180 QC 21 - SA	80 pcs	12/10/19	0.00	0.00	QC 21 - SA - 21	
					QC 21 - SA - 70	
					QC 21 - SA - 53	
Part Op 100 - (Bandsaw) Cut blank: 2.00" x 1.00" x 2.550" long Descriptions: 110 - (HAAS CNC vertical machine #5) 130 - (QC6- Inspect parts - second check) 140 - (Chemical Conversion Coat per QSI005 4.1) 150 - (White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum) START TIME: _____ 160 - (QC3- Inspect Part Finish) 170 - (Identify as per dwg & Stock Location: _____) LOCATION : GA 180 - (QC21- Final Inspection - Work Order Release)						
Job BOM						
Part / Item	Component Name	Quantity	Operation	Container		
M6061T6B1.000X02.000	6061-T6 Bar 1.00 X 2.00	17.3600 ft (.217 ea)	100-Bandsaw - 1	S216 004		
Job Allocations						
Operation	Component Part	Required	Inventory	Allocated		
100-Bandsaw - 1	M6061T6B1.000X02.000	17	83	0		

Part Specifications					
Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Support	0.098inches + 0.005 - 0.000	0.103 0.098		
2	Support	0.359inches ± 0.005	0.364 0.354		
3	Support	0.609inches ± 0.010	0.619 0.599		
4	Support	0.250inches ± 0.010	0.260 0.240		
5	Support	1.480inches ± 0.005	1.485 1.475		
6	Support	0.125inches ± 0.010	0.135 0.115		
7	Support	0.119inches + 0.005 - 0.004	0.124 0.115		
8	Support	2.439inches ± 0.010	2.449 2.429		
9	Support	1.980inches ± 0.010	1.990 1.970		
10	Support	0.130inches ± 0.030	0.160 0.100		
11	Support	0.257inches + 0.005 - 0.000	0.262 0.257		
12	Support	0.375inches ± 0.010	0.385 0.365		
13	Support	0.875inches ± 0.010	0.885 0.865		
14	Support	0.500inches ± 0.010	0.510 0.490		
15	Support	0.400inches ± 0.010	0.410 0.390		
16	Support	1.000inches ± 0.030	1.030 0.970		
17	Support	1.720inches ± 0.010	1.730 1.710		
18	Support	0.125inches ± 0.010	0.135 0.115		
19	Support	0.125inches ± 0.010	0.135 0.115		

Plex 10/8/19 10:14 AM Dart.lajeunesse.marie

Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

Route update only ☐

NCR No. _____

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐	DEPARTMENT/PROCESS	MRB (QS1042)
Date: _____	Sequence #: _____	QTY Affected: _____	
Description Work Order Deviation		Disposition	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread ☐ Other/Details: _____		Completed By _____ Lead hand / Supervisor _____ QC / QA Coordinator _____	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER POHB044863



Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

Attention: Walz, Shigi

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044863

PO Date: 10/23/19

Due Date: 10/30/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Items														
Line Item	Job	Part	Drawing	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	201656	D3278-1	D3278 REV.C			Support : Various STC's (Outsource process - Machining)	Firmed	-	10/30/19	80 pcs	0 pcs	80 pcs	\$46.94/pcs	\$3,755.20
Line Item Note: NO PAINT, NO ALODINE, PLEASE SUPPLY ASAP														
2	201657	D3278-2	D3278 REV.C	DAS 81 9-89		Support : Various STC's	Firmed	-	10/30/19	80 pcs	0 pcs	80 pcs	\$46.94/pcs	\$3,755.20
Line Item Note: NO PAINT, NO ALODINE, PLEASE SUPPLY ASAP														
Grand Total:													\$7,510.40	

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

Plex 10/23/19 12:53 PM dart.lussier.patrick

Packing List

Bill Dart Aerospace Ltd.
To: 1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

Ship Dart Aerospace Ltd.
To: 1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Canada

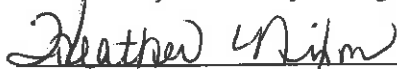
Shipment No: 26114
Shipment Date: 08-Nov-2019
Ship Via: Pick up at METEC
Order Number: 4332
Order Date: 10/24/2019

Customer Code: DART
Phone: (613) 632-9577
PO Number: POHB044863
Terms: Net 60 Days

Quantity						Description	Revision	Job Number
Item	Open	Shipped	B/O	Canceled	Unit			
1	80	80	0	0	EA	DART-D3278-1P Support, unpainted material supplied by DART	C	4332-01
2	80	80	0	0	EA	DART-D3278-2P Support, unpainted material supplied by DART	C	4332-02

RECEIVED
NOV 08 2019
DART AEROSPACE LTD.

The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.



Packing Clerk's Signature
Metec Metal Technology Inc

Received In Good Order By
Dart Aerospace Ltd.



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0
Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

Quantity	Part Number	Part Name	Dwg Rev.#	Material Batch #	Paint Batch #	P.O. Number
80	D3278-1P	Support	C	S225434	Unpainted	HB044863
80	D3278-2P	Support	C	S225481	Unpainted	HB044863

DAS
81
9-89

MATERIAL: supplied by DART

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

Heather Nixon

Vankleek Hill, November 8, 2019